

Single Lumen Access Deployable Ring for Intraluminal Anastomosis

Abstract of the Invention

Creating an anastomosis, or the surgical formation of a passage between two normally distinct vessels or lumens, is enhanced by an applier that introduces a ring device without the need for a separate anvil to form a hollow rivet shaped attachment. Moreover, the ring device may be advantageously formed in a cylindrical shape from molded polymer material or stamped from sheet metal with proximal and distal rings connected by proximal and distal arms that respectively form hinged, ring shaped so appose tissue walls. A center ring or portion sits in the attachment site. The applier causes actuating by moving the rings relative to one another. A latching mechanism locks the rings in the actuating state.